### Construction Services Statement of Work, v5

Expansion Joint Slab Edge Modifications, 4600 Silver Hill North and South Buildings, MD0778AG/MD1822AG



### U.S. General Services Administration

National Capital Region Public Buildings Service www.gsa.gov

### Statement of Work for Construction Services

### PROJECT IDENTIFICATION

Project Title: Expansion Joint Slab Edge Modifications
Building: 4600 Silver Hill North and South Buildings

Building ID #: MD0778AG and MD1822AG

Building Location: 4600 Silver Hill Road

Suitland, MD 20746

Project Control Number: RMD84100 GSA Work Items: 1113&0039 ePM Number: 60445

SOW Author: Andre Thomas



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### 1. PROJECT INFORMATION

### 1.1. PROJECT BACKGROUND

The 4600 Silver Hill North and South Buildings are divided into two wings a North Wing (MD0778AG) and South Wing (MD1822AG). The north wing was constructed and finished in 2006 and is 8 stories above grade. The North wing includes an adjacent north parking garage. The north wing contains 1,369,645 gross square feet, 805,705 rentable square feet and 645,354 usable square feet. The south wing was constructed and finished in 2007 and is 8 stories above grade and includes an adjacent south parking garage. The south wing contains 1,135,303 gross square feet, 662,646 rentable square feet and 524,622 usable square feet.

The North and South Wings together accommodate approximately 4,000 building occupants and receive approximately 500 visitors per day.

GSA has identified problems with expansion joints throughout the north and south garage areas. The expansion joint failures are allowing water leakage to take place. A contract was awarded on July 28, 2020 to completely replace the expansion joints, however, additional work is needed to prepare the expansion joint openings prior to the installation of the Emseal DFR2 gland material. The additional work has been fully designed by Cinnovas Development Group, signed and sealed on 11/6/2020. GSA has decided not to add this work as a modification to the existing contract with Cinnovas Development Group and prefers to contract with an 8a contractor for this additional work. Cinnovas Development Group will provide post construction services.

The following scope of work is to cover all the work necessary to prepare the expansion joint openings to receive the Emseal DFR2 gland material by implementing the approved design (attached).

### 1.2. PROJECT SUMMARY DESCRIPTION

This scope of work is to fulfill all the requirements of the additional work as detailed in the attached signed and sealed drawing in a separate contract.

The project is not a change in use of space.

The project is not a change in occupancy.

### 1.3. PROJECT DELIVERY TYPE

The project is a Construction Only Services delivery type.

### 1.4. PROJECT GOALS

- Complete project within 10% of overall project duration
- Complete project within 10% of overall project budget
- Divert a minimum of 70% (by weight) of construction and demolition waste generated from project

### 1.5. PROJECT OBJECTIVES

To be considered successful, the Work must achieve the following objectives:

- Completely prepare all expansion joint openings to receive the Emseal DFR2 product that has been provided and is onsite.
- The repairs to the damaged concrete edges and expansion joint width shall be consistent and
  uniformed dimension width and depth to receive the Emseal expansion joint material. Width and
  dimensions that are inconsistent and varying is not acceptable.
- The repaired concrete ends and surfaces shall be finished and sealed with no rough edge, honeycombing, holes, or gaps that would receive water leaks and future damage to the concrete slab.

### 1.6. PROJECT BUDGET

Not applicable for Construction Services delivery type. See solicitation for estimated cost of project.

### 1.7. PROJECT SCHEDULE

The overall Period of Performance shall be (120) calendar days from Notice To Proceed to Substantial Completion.

Ultimate Contract Completion shall be (28) calendar days after Substantial Completion

### 1.8. CONTRACT TYPE

The Government contemplates the award of a firm-fixed price contract to the successful offeror. The prices shall include, but shall not be limited to the following:

- Contract Management
- Construction Services including Materials, Labor, and Supervision
- Professional Inspection and Testing Services

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### 2. SCOPE OF WORK

The Contractor shall perform all services described in this Scope of Services (including services required under exercised options, if any) in accordance with applicable requirements and provisions set forth in this Statement of Work.

### 2.1. PROJECT REQUIREMENTS

### 2.1.1. Base Bid

- 2.1.1.1. GSA is tasking the Prime Contractor with providing all labor and material as detailed in the Construction Document provided by Cinnovas Development Group, signed and sealed dated 11/06/20.
- 2.1.1.2. Adjust all expansion joint slab edges as necessary to receive the EMSeal DFR2 expansion joint material onsite. Provide the necessary GPR scanning, joint widening, tapering, patching and nosing installation as detailed in the signed and sealed Construction Document.
- 2.1.1.3. Remove all electrical conduit as necessary from the expansion joint openings to allow a clear path for material installation.
- 2.1.1.4. The Prime Contractor is to provide a full-time onsite Superintendent for all work activities.

### 2.1.2. Option 01:

NA

### 2.1.3. Unit Price 01:

NA

### 2.2. PROJECT SITE REQUIREMENTS

### 2.2.1. Work Restrictions

The Contractor shall survey the entire worksite and review existing documentation to be familiar with the existing conditions. This includes all areas of the building, structure, and site affected by the removal and demolition work, alterations and new construction work prior to initiation of construction.

During the construction period, the Contractor shall have full use of the designated premises for construction operations, including full use of the indicated work site, limited only by the Government's right to perform work or retain other contractors to perform work on portions of the project. The Contractor shall limit the use of the premises to the work areas indicated, and to allow for Government occupancy and public use.

The building is to remain fully operational throughout the entirety of the project, with no disruption to tenant operations. All work areas must be cleaned at the end of every work day.

The work shall be sequenced to minimize disruption to building occupants, visitors, and maintenance activities. To the greatest extent feasible, demolition work should not take place until supplies are on hand to perform new work.

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The Contractor shall coordinate all work activities with the GSA Building Manager and the Contracting Officer's Representative to ensure that proper security and access arrangements are made without impact on the construction schedule.

### 2.2.2. Working Hours

### 2.2.2.1. Government Occupied Hours

Government personnel are scheduled to occupy the building during the following hours on weekdays, Monday through Friday, except for established Government Holidays, 7:00 AM to 5:00 PM.

### 2.2.2.2. Contractor's Working Hours

All work is required to be performed outside of Government Occupied Hours.

### 2.2.3. Loading Dock

Use of the existing loading dock facilities will be shared with Government activities on a first-come first-served, wait-your-turn basis. The loading dock is available for the delivery of materials, tools, and supplies between the hours of [8:00] AM to [4:00] PM. Loading dock activities must be coordinated with the GSA Building Manager a minimum of [72] hours in advance.

### 2.2.4. Parking

Limited parking is available on site.

### 2.2.5. Staging and Storage

The Contractor may be provided a staging area within the building, contingent upon GSA approval and provided that its use will not interfere with operations of the Government. No GSA employees will assist with unloading/loading of vehicles(s). The contractor shall provide all personnel and equipment needed for unloading, moving, and assembling the materials.

### 2.2.6. Dumpster

Limited space is available on site for a dumpster. Use of existing building dumpsters and trash bins is strictly prohibited.

### 2.2.7. Restrooms

Public toilet facilities are available for use. Restroom must be designated by the GSA Building Manager.

### 2.2.8. Freight Elevator

NA

### 2.2.9. Existing Conditions

All Government property or systems displaced, altered, or damaged during the performance of this contract other than stated in this Scope of Work must be restored to its original condition at no cost to the Government. These repairs, if needed, must be executed immediately when notified by the

contracting authority that such repairs are required due to actions by the contractor or his/her subcontractors.

### 2.2.10. Electrical Circuits Updates

All modified electrical circuits will require "updating" the circuit-panel index. All new circuits added will require updating the panel schedule, and all new outlets will require identification indicating electrical room, panel and breaker identification. All junction boxes will be labeled with panel and breaker numbers.

### 2.3. STANDARDS AND CRITERIA DOCUMENTS

Contractor shall ensure that all work performed and materials used under this scope of work are in accordance with the guidelines, codes and specifications of the following associations and agencies. Any conflicts or ambiguities within or among the referenced Standards and Criteria Documents, or any deviations from requirements contained in the Standards and Criteria Documents, must be reported to the GSA in writing, for determination as to applicability.

### 2.3.1. GSA Requirements

- PBS P100, Facilities Standards for the Public Buildings Service, including all applicable Standards, Criteria and Guides listed therein, 2018
- PBS P100 Addendum, 2019
- PBS P120, Public Buildings Service Cost and Schedule Management Policy Requirements
- Architectural Barriers Act Accessibility Standard (ABAAS)
- PBS Order 3490.2, "Document Security for Sensitive but Unclassified Building Information."
- PBS CAD Standards
- PBS Building Commissioning Guide
- Guidance for Electric Metering in Federal Buildings
- Occupational Safety and Health regulations for construction and general industry; 29 CFR Parts 1926 and 1910
- Section 01546 Safety and Health Specification
- International Building Code (IBC)
- International Fire Code (IFC)
- National Fire Protection Association (NFPA) National Fire Codes and Standards
- Egress issues shall meet NFPA 101 (Life Safety Code)
- The Guiding Principles for Sustainable Federal Buildings for Existing Buildings

### 2.3.2. Customer Requirements

NA

### 2.3.3. Stakeholder Requirements

NA

### 2.4. CUTTING & PATCHING REQUIREMENTS

Replace, patch, and repair material and surfaces cut or damaged by methods and with materials in such a manner as not to void any existing warranties.

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All substrates must be inspected and defects repaired prior to installing new material or finish. All replacement and new materials should match the existing in material, dimensions, color and finish. All material selections / mock-ups need to be reviewed and approved by the GSA Project Manager and/or Customer prior to ordering.

### 2.4.1. Structural Systems

Do not cut structural beams or major structural elements without the written review and approval of a Licensed Structural Engineer and the General Services Administration. Prior to cutting and/or drilling through any structural member, the D/B Contractor shall conduct ground penetrating radar or similar type of investigative measure to prevent cutting concealed material. Submit structural calculations sealed by a licensed Structural Engineer to the Contracting Officer and COR concurrently for approval.

Do not cut and patch structural elements in a manner that would change their load-carrying capacity or load-deflection ratio.

### 2.4.2. Operational Systems

Do not cut and patch operating elements, safety related systems, or related components in a manner that would result in reducing their capacity to perform as intended, or that would result in increased maintenance or decreased operational life or safety.

### 2.4.3. Visual / Finishes

Do not cut and patch construction exposed on the exterior or in occupied spaces in a manner that would, in GSA's opinion, reduce the building's aesthetic qualities. Do not cut and patch construction in a manner that would result in visual evidence of cutting and patching. Remove and replace construction that is cut and patched in a visually unsatisfactorily manner.

Patched areas shall be neatly trimmed prior to patching. Feather all patches to provide a complete and finished surface. Paint all exposed work provided under the contract including all patched areas, exposed areas uncovered during demolition, to provide a complete and finished project. Paint patched areas plus surrounding areas to the nearest break in wall surface, or other building line to provide a neat and finished appearance. All paint shall match adjacent painted surfaces. Protect all surrounding areas including fixtures, furniture, floors and accessories from paint splatter and droppings. Clean-up and restore all areas splashed with paint.

Any work related to removing equipment, brackets, supports, etc. that leaves holes or damaged surfaces on the floor, walls, and ceilings, the work shall be patched with the same adjacent material and finish.

### 2.5. NATIONAL HISTORIC PRESERVATION ACT (NHPA) REQUIREMENTS

NA

### 2.6. NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) REQUIREMENTS

NEPA analysis will need to be completed prior to the commencement of construction services.

### 2.7. NATIONAL CAPITAL PLANNING COMMISSION REQUIREMENTS

NA

### 2.8. U.S. COMMISSION OF FINE ARTS REQUIREMENTS

NA

### 2.9. FINE ARTS REQUIREMENTS

NA

### 2.10. ACCESSIBILITY REQUIREMENTS

Architectural Barriers Act Accessibility Standard (ABAAS) is mandatory for all GSA projects. If local accessibility standards exist, the Contractor must follow the most stringent requirements between the local standards and ABAAS.

The building ABAAS accessibility shall be maintained at all times.

### 2.11. SAFETY REQUIREMENTS

All contractor(s) shall comply with the safety guidelines and requirements contained in NCR's Section 01546 – Safety and Health specification.

### 2.12. FIRE PROTECTION AND LIFE SAFETY REQUIREMENTS

GSA's Fire Protection Engineers are the authority having jurisdiction (AHJ) for all GSA owned facilities.

### 2.12.1. Egress/Life Safety

- The means of egress shall be maintained at all times.
- Egress issues shall meet NFPA 101 (Life Safety Code).

### 2.12.2. Fire Protection Systems

NA

### 2.12.3. Fire Alarm Systems

NA

### 2.12.4. Fire and Life Safety System Testing and Acceptance

NA

### 2.13. ENVIRONMENTAL REQUIREMENTS

Contractor shall not allow the venting of coolants to the atmosphere in compliance with section 608 of the Clean Air Act (40 CFR Part 82)

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### 2.14. HAZARDOUS MATERIAL REQUIREMENTS

All work, including contact with and handling of hazardous materials, the disturbance or dismantling of structures containing hazardous materials, and/or the transport and disposal of hazardous materials shall comply with the applicable requirements of 29 CFR 1910/1926, and 40 CFR 761/260-271

### 2.14.1. General

All work areas should be inspected and tested prior to starting work. If material suspected to be ACMs or LBPs are encountered, the material shall be sampled for bulk asbestos and/or lead paint chips.

### 2.14.2. Asbestos Containing Material

It is not anticipated that Asbestos Containing Material will be encountered during work activities.

### 2.14.3. Lead Based Paint

It is not anticipated that Lead-Based Paint (LBP) will be encountered during work activities.

### 2.14.4. Polychlorinated Biphenyl

It is not anticipated that Polychlorinated Biphenyl (PCB) will be encountered during work activities.

### 2.14.5. Radon

It is not anticipated that Radon gases will be encountered during work activities.

### 2.14.6. Mercury

It is not anticipated that mercury will be encountered during work activities.

### 2.14.7. Universal / Hazardous Waste

It is not anticipated that universal / hazardous waste will be encountered during work activities.

### 2.14.8. Exit Signs Requiring Special Disposal

It is not anticipated that exit signs requiring special disposal will be encountered during work activities.

### 2.14.9. Presence of Hazardous Materials

If any of the pre-alteration assessments determines that a hazardous material is present, the Contractor shall follow the requirements above.

### 2.14.10. Hazardous Materials Cost Tracking

NA

### 2.15. SUSTAINABILITY REQUIREMENTS

### 2.15.1. Green Purchasing

All products and services purchased by GSA must meet strict sustainability requirements including, but not limited to, non-toxic, low VOC, recycled content, energy efficient, and water conserving.

Where products that are labelled FEMP-approved, DesignLights Consortium® (DLC) Premium Certification (or Standard DLC rating if Premium is not available), Energy Star, EPA Safer Choice, or WaterSense exist and are applicable for this project, they must be used.

Note that coal tar sealant may not be used. Sealcoat (two applications at a rate of 0.11-0.13 gallon/yd²) with a Coal Tar Pitch Emulsion (CTPE) sealer that meets or exceeds RP 355e and ASTM D5727 specifications and standards may be used (strive for 30% asphalt content). Include CTPE sealer specifications.

### 2.15.2. Key Sustainable Products

The use of GSA's Key Sustainable Product (KSP) standards is mandatory for all contracts and task orders. If any of the five materials listed below are purchased as part of this project, they must comply with their respective sustainability standards. The Contractor shall specify the brand name and product that shall be used to meet each applicable KSP standard below. The Contractor shall provide the required data submittals to the Contracting Officer (CO) or their designee prior to the start of construction. The COR shall verify that the products submitted are compliant with these KSPs. The Contractor shall use standards listed in the Green Procurement Compilation (https://sftool.gov/greenprocurement) for products not listed below:

 Concrete (ready-mix and site-mix) Standard: ≥ 25% fly ash OR ≥ 15% ground granulated blast-furnace (GGBF) slag.

In addition to the above listed key sustainable products, all other interior finishes must meet, at a minimum, the baseline environmental requirements specified in the GSA P100 facilities standards, Chapter 3, Architecture and Interior Design. Contractor shall submit product data for each finish material used, demonstrating compliance with the appropriate environmental requirements. Sustainability requirements for specific interior finishes and construction materials may also be found at <a href="https://sftool.gov/">https://sftool.gov/</a>.

### 2.15.3. Proof of Compliance

The Contractor must, at all times during the performance of this contract, maintain a cut sheet or other documentation of compliance with product purchasing activities as stated within this specification. The Contractor shall provide copies of such documentation to the Contracting Officer or their designee as required or upon request.

### 2.15.4. Construction and Demolition Debris

Practice efficient waste management in the use of materials in the course of the work and use all reasonable means to divert construction and demolition waste from landfills and incinerators. The contractor shall provide enough containers for collecting construction debris and construction materials to be recycled. Unless state or local regulations require a higher percentage, this project is required to achieve minimum end-of-project rates for diversion of 50% by weight of total non-hazardous solid waste generated by the work (unless additional rates are indicated elsewhere in this Scope). While GSA's minimum waste diversion requirement is 50%, the agency has a higher goal of 70% waste diversion for this project if required by specific regional targets. At the beginning of the project, the contractor/vendor is required to submit a waste management plan with monthly update reports on progress to the GSA project manager, as well as a final report documenting the total tons recycled, total tons reused, and total tons landfilled.

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Waste reports and associated documentation must be submitted with each invoice.

2.15.5. Refrigerants

NA

### 2.16. ENERGY AND WATER EFFICIENCY REQUIREMENTS

NA

2.16.1. Life Cycle Cost Analysis

NA

- 2.16.2. Plumbing Fixtures
  - NA
- 2.16.3. Lighting Fixtures
  - NA
- 2.16.4. Energy Rebates

NA

2.16.5. Cooling Tower Replacement

NA

2.16.6. Transformer Replacement

NA

2.16.7. Roof Replacement

NA

2.16.8. Pump and Motor Replacement/Upgrade

NA

2.16.9. Insulation

NA

### 2.17. BUILDING AUTOMATION SYSTEM & CONTROLS

NA

### 2.18. COMMISSIONING

2.18.1. Commissioning Agent

NA

2.18.2. Building Enclosure Commissioning

NA

2.18.3. HVAC Energy / Metering

NA

2.18.4. Electrical Metering / Monitoring

NA.

2.18.5. Lighting

NA

2.18.6. Acoustics

NA

### 2.19. SITEWORK AND STORMWATER REQUIREMENTS

2.19.1. Stormwater Management Regulatory Requirements

NA

2.19.2. Erosion and Sediment Control Regulatory Requirements

NA

2.19.3. Stormwater Pollution Prevention Plan Regulatory Requirements

NA

2.19.4. Regulatory Inspections

NA

2.19.5. Commissioning

NA

2.19.6. Training

NA

2.19.7. As-Built Drawings

NA

2.19.8. Documentation Transfer

NA

### 2.20. BUILDING TECHNOLOGY SERVICES

NA

### 2.21. MANUFACTURER REQUIREMENTS

The Contractor shall follow all manufacturers' instructions and best accepted trade practices during performance of this work.

### 2.22. BUILDING INFORMATION MODELING (BIM)

Not applicable.

### 2.23. ENERGY MODELING AND PERFORMANCE

Not applicable.

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### 2.24. **COBie**

NA

### 3. DESIGN STAGE

No services needed.

### 4. CONSTRUCTION STAGE

This section details the professional services and submittals required to support the construction stage of the project.

### 4.1. GENERAL

The Contractor shall provide all the necessary labor, materials, supervision, management, quality control plan, and testing to produce work conforming to the contract documents. The Prime Contractor is to provide a full-time onsite Superintendent for all work activities.

### 4.2. PERMITTING

Contractor is responsible for all applicable permitting such as, but not limited to, sheeting, shoring, and public space permits as required by federal, state or local jurisdictions; this includes application fees and any fines or penalties that result from noncompliance.

### 4.2.1. Permit for Welding, Cutting, or Brazing

Comply with NFPA 51B. Do not conduct operations involving the use of open-flame, electrical arc equipment, or flammable substances until a permit for welding, cutting, and burning has been issued by the Government.

Complete GSA 1755 - Permit for Welding, Cutting, or Brazing. Contact the Field Office to obtain burn permits. Burn permits are required for each separate occurrence. Burn Permits must be displayed at the work site during burning operation Permit duration shall be one work shift for a specific location unless otherwise agreed to by the Government and Contractors.

### 4.2.2. Utility Locating Services

Where sitework shall occur, utility locating services must be provided [7] calendar days in advance of any sitework work beginning.

### 4.2.3. Utility Outage

NA

### 4.2.4. Fire Watch

When a required fire alarm system or automatic sprinkler system is out of service for more than 4 hours in a 24-hour period, the GSA Building Manager and authority having jurisdiction shall be notified at least 7 calendar days in advance. Work cannot commence until the AHJ has given written approval of the proposed Fire Watch or building evacuation plan. Comply with NFPA 101 and OSHA 1910.252 for all Fire Watch requirements.

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### 4.3. CONSTRUCTION SCHEDULE

Within [7] calendar days of Notice to Proceed, the Contractor shall submit a Preliminary Schedule detailing the complete scope of work and proposed logical relationships.

Provide a detailed, time-scaled computer generated Project Schedule with activities representing each portion of the Work for the entire Contract Performance Period. Submit both as MS Project and PDF.

All durations shall be shown in calendar days.

The Project Schedule shall use the Critical Path Method (CPM) for the planning, scheduling and reporting of the work to be performed under the contract.

No unspecified constraints, float suppression techniques, or use of activity durations, logic ties and/or sequences deemed unreasonable by GSA shall be used in the Project Schedule.

As defined by the Contract, the entire project performance period shall establish the Project Substantial Completion Date which shall be used in the planning and presentation of the Contractor's Project Schedule. GSA reserves the right not to approve any schedule deemed to have an unrealistic forecasted Substantial Completion Date. Government approval of an early completion Project Schedule shall not modify the Contractual Substantial Completion Date or Project Completion Date. The time difference between the Contractor's planned Substantial Completion Date and the Contract directed Substantial Completion Date shall be considered Project Float, jointly owned and for the mutual use of both the Contractor and GSA.

The Project Schedule shall be updated on a monthly basis throughout the entire Project performance period until Project completion is achieved. A revised project schedule must be submitted with each invoice.

### 4.4. CONSTRUCTION PROGRESS REPORTS

Prepare an electronic daily construction report recording the following information concerning but not limited to events at the site. All daily reports are to be uploaded to the GSA PM [weekly]. Include:

- List of subcontractors at the site.
- List of separate contractors at the site.
- Count of personnel at the site.
- High and low temperatures, general weather conditions.
- Accidents.
- Meetings and significant decisions.
- Unusual events
- Stoppages, delays, shortages, and losses.
- Meter readings and similar recordings.
- Emergency procedures.
- Orders and requests of governing authorities.
- Change Orders received or implemented.
- Services connected or disconnected.
- Equipment or system tests and startups.
- Partial completions or occupancies.
- Summary of all work performed.

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### 4.5. SHOP DRAWINGS / PRODUCT DATA SUBMISSIONS

The Contractor shall submit shop drawings and product data for all material to be used for this project. All submissions shall be made to the Contracting Officer's Representative (COR). Prior to submitting shop drawings to the COR, the Contractor shall review the shop drawings for completeness and shall establish that the shop drawings meet the contract requirements.

Shop drawings must illustrate manufacturer's recommended clearances around installed equipment for access and maintenance. Shop drawings will be checked for compliance with manufacturer's recommended clearances.

Shop drawings shall be continuously annotated showing solution to problems not encountered during the survey period or anticipated. The government shall be apprised of all modifications and each solution shall be submitted for approval within three days of change.

Shop drawings shall have the professional seals and signatures of the preparing Registered Professional Engineers.

### 4.5.1. Early Review

Not applicable.

### 4.5.2. **Government Review**

Government rejection of submittals does not relieve the Contractor from responsibility of meeting the period of performance.

### 4.5.3. Changes

Should shop drawing and/or product data changes take place after Government review and approval, the Contractor shall submit the altered material within three days of the change.

### 4.5.4. **Products for Submission**

The Contractor shall provide shop drawings and product data for all systems, equipment and materials referenced within the Contract Documents.

### 4.6. SCHEDULE OF INSPECTIONS AND TESTS

NA

### 4.7. CONSTRUCTION INSPECTIONS

Inspections include, but are not limited to, adherence to construction documents, contract requirements, and the following:

- Equipment, materials and workmanship;
- Labor and safety conditions;
- Defects and omissions;
- Problems encountered;
- Qualitative and quantitative differences between construction contract documents and actual work in place.

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March 10, 2021

### 4.8. SPECIAL INSPECTIONS

NA

### 4.9. COMMISSIONING

NA

### 4.10. QUALITY CONTROL PLAN

The Contractor shall develop, provide, and maintain a Quality Control Plan during the construction initiation of the project, based upon the USACE Three-Phases of Control, to accomplish the contract requirements referenced within this Document. The Quality Control Plan shall identify personnel, procedures, instructions, records and forms to be used in carrying out the requirements of the Project. It will provide the means to maintain effective Quality Controls for construction, sampling and testing activities.

The Quality Control Plan shall also describe the quality assurance, quality control, and other technical activities that will be implemented to ensure that sampling and analyses are performed in order to meet applicable data quality objectives for the project.

### 4.10.1. Submissions

The Quality Control Plan shall be prepared and submitted within [14] calendar days of NTP. Construction shall not begin until the Quality Control Plan is approved.

### 4.10.2. Content

The Quality Control Plan shall identify and address the special factors impacting the construction and specify the considerations and provisions to be made by the Contractor during construction of the project. Consideration and provisions proposed to accommodate special factors impacting the construction shall be outlined, and described in sufficient detail to clearly indicate all facets of how they relate to the coordinated construction of the project. The Contractor is not relieved from any requirements specified in this document should they not be included in the plan.

Special factors impacting construction include, but are not limited to:

- Government occupancy of the building during construction.
- Work hour restrictions
- Construction phasing
- Utility outages
- Security and access requirements
- Safety Plan per OSHA requirements
- Staging and storage area space limitations

### 4.10.3. Workmanship Standards

Initiate and maintain procedures to ensure personnel performing the work are skilled and knowledgeable in the methods and craftsmanship needed to produce the required levels of workmanship. Remove and replace work that does not comply with workmanship specified and

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standards recognized in the construction industry for the applications indicated. Remove and replace work damaged or deteriorated by faulty workmanship or replacement of other work.

### 4.10.4. Manufacturer's Instructions

Where installations include manufactured products, comply with manufacturer's applicable installation instructions and recommendations to the extent that those instructions and recommendations are more explicit or stringent than requirements contained in the Contract Documents.

### 4.10.5. Specialists

NA

### 4.10.6. Minimum Quality and Quantity

The quality level or quantity shown or specified shall be the minimum required for the work. Except as otherwise indicated, the actual work shall comply exactly with that minimum or may be superior to that minimum within limits acceptable to GSA. Specified numeric values are either minimums or maximums as indicated or as appropriate for the context of the requirements.

### 4.10.7. Availability of Tradespersons and Manufacturer's Field Services Representatives

At each progress or coordination meeting, review availability of tradespersons, qualified manufacturers representatives required in the specifications, and projected needs to accomplish work as scheduled. Require each entity employing personnel to report on events which might affect progress of work. Where possible, consider alternatives and take actions to avoid disputes and delays.

### 4.10.8. Inspection / Testing

The Contractor shall provide all inspection and testing, except where required by code, specification, or detailed elsewhere in the requirements of this document.

The Quality Control Plan shall identify the equipment/system to be inspected/tested, exact test(s) to be performed, measured parameters, and the stage of construction development when tests are to be performed. The Contractor shall organize inspection/testing of equipment in accordance with a recognized method which delineates all facets of construction. The method shall identify all equipment items, subsystems, and/or components which influence operation, function, quality or referenced on timeline charts to identify when tests should be performed. The Contractor is not relieved from the required performance test should these not be included in the plan.

### 4.10.9. Test Parameters

All testing to be performed as per manufacturer requirements.

### 4.10.10. Test Report

For each inspection/adjustment/test parameter, identify the test(s) to be conducted, methodology, adjustments contemplated, test result comparison to that of performance parameters, the date and time of test, and who will do the work. Consider the following as an example:

- Test
- Test Method

### Construction Services Statement of Work, v5

Expansion Joint Slab Edge Modifications, 4600 Silver Hill North and South Buildings, MD0778AG/MD1822AG

- Adjustments
- Performance Parameters
- Actual Performance
- Test Occurrence
- Test Performed by

### 4.10.11. Coordination with others

NA

### 4.10.12. Format

Quality Control Plan documents shall use standard white bond paper or formatted sheets, bound in snap action three-ring notebooks, to allow insertion of changes. All text shall be typed. Tabs shall be provided according to category.

### 4.11. CONSTRUCTION INDOOR AIR QUALITY (IAQ) MANAGEMENT

NA

### 4.12. SAFETY PLAN

The Contractor shall develop, provide, and maintain a Safety Plan based upon OSHA Safety Plan Requirements. The Safety Plan shall be prepared and submitted within [14] calendar days of NTP. Construction shall not begin until the Safety Plan is approved.

### 4.13. COORDINATION OF WORK

The Contractor shall coordinate the work of this contract with that of other contractors in the building at the same time.

### 4.14. REQUESTS FOR INFORMATION

Each RFI must include a specific description of the issue requiring clarification, citing the specific related contract documents requiring clarification. RFI's should only be submitted after performing due diligence to confirm that the contract requirements in question are in fact unclear or otherwise inadequate.

Upon receipt of the response to each RFI submitted, coordinate the response with all involved subcontractors to ensure understanding and appropriate action.

### 4.15. MODIFICATIONS / CHANGE ORDERS

A Change Order will only be approved if GSA agrees that additional work to be performed by the Contractor as a result of resolution of an RFI is beyond the original scope of work.

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### 5. CONTRACT ADMINISTRATION

### 5.1. CONTRACTOR'S STAFF

### 5.1.1. Personnel Qualifications

The Contractor shall exclusively utilize the Key Personnel named and/or otherwise identified in the Contractor's bid submission materials to perform services required under this contract. In the event that any personnel named in the Contractor's Technical Qualifications Statement are unable to perform their duties due to death, illness, resignation from the Contractor's employment, the Contracting Officer's request for removal, or similar reasons, the Contractor shall, within five working days, submit to the Contracting Officer, in writing, the name and qualifications of proposed replacement with equal or superior qualifications. No substitution shall be made without prior approval of the CO. Any approved substitutions shall be made at no increase in the lump sum contract price.

### 5.1.2. Acceptance

The Contracting Officer (CO) shall accept or reject personnel proposed by the Contractor. The Contractor shall make a timely and prompt re-submittal to provide other personnel required to replace any that are rejected by the CO, both at initial submittal or any subsequent rejection or substitution of personnel.

### 5.1.3. Personnel Security Requirements

Comply with Security Clearances section of The Agreement and GSAR 552.204-9 Personal Identity Verification Requirements.

Any individual whose Initial Fitness Determination requires that the applicant wait for Final Fitness Determination will have their application cancelled immediately. A replacement must be promptly provided by the Contractor.

All personnel in this contract must comply with all building security provisions and facility access requirements beyond HSPD-12.

No extensions for schedule will be given for failure to get personnel credentialed in a timely manner.

### 5.1.4. Escorting

All Contractor personnel shall be 'escorted' at all times in compliance with the HSPD-12 escorting requirements.

### 5.1.5. Building Systems Shutdown

Any building system shutdown requires building Operation and Maintenance staff to be present for shutdown and restoration. Any payment for O&M shutdown and restoration services must be included in the Contractor's bid price.

### 5.1.6. Permits and Responsibilities

Per FAR 52.236-7 Permits and Responsibilities, the Contractor shall, without additional expense to the Government, be responsible for obtaining any necessary licenses and permits, and for complying with any Federal, State, and municipal laws, codes, and regulations applicable to the performance of

the work. The Contractor shall also be responsible for all damages to persons or property that occur as a result of the Contractor's fault or negligence. The Contractor shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire work, except for any completed unit of work which may have been accepted under the contract.

### 5.1.7. Personnel Activities and Behavior

No alcoholic beverages or illegal substances, abusive or profane language, or other disruptive or illegal activities will be tolerated.

### 5.2. MEETINGS

The Contractor shall prepare and distribute an agenda for each Contractor hosted project meeting, in advance of the meeting date. Agenda for all meetings must include review of all open items (RFIs and Issue Tracking), a two week look-ahead to the next scheduled meeting, and a round robin opportunity for all participants to introduce items to the meeting.

Contractor in-person representation at all meetings shall include those individuals having knowledge of the agenda topics and authority to make decisions and commit resources.

The Contractor shall provide minutes of all Contractor hosted project meetings and presentations to all attendees identifying new and unresolved old action items and associated responsible parties. Minutes must be provided within [1] calendar days after each meeting.

### 5.2.1. Design Review Meetings

Not applicable.

### 5.2.2. Construction Kickoff Meeting

Before Construction NTP, the Contractor shall conduct a Construction Kickoff Meeting meeting in-person with the GSA Construction Engineer and Building Manager. Also discuss phasing, staging, working hours, vertical transportation of materials, and any other special building requirements.

### 5.2.3. Construction Progress Meetings

After Construction begins, the Contractor shall conduct and a GSA representative and/or consultant will attend weekly progress meetings in-person. Field inspections by the GSA Project Manager will generally coincide with these progress meetings.

### 5.3. COMMUNICATION

The Contractor shall reply to correspondence from the GSA, outside agencies, GSA contractors and Construction subcontractors in a timely manner.

### 5.4. PROJECT CLOSEOUT

### 5.4.1. Final Inspection and Test

Unless otherwise identified, manufacturer recommendations shall be followed for all inspection and test procedures.

### 5.4.2. As-Built Drawings

March 10, 2021 Back to Top The Contractor shall redline drawings to provide "As-Built Drawings" and documents based upon actual site installation, as should be reflected within latest Record Drawings/documents. Should Record Drawings not present As-Built conditions, the Contractor shall perform field measurements and shop drawing take offs as required to support accurate As-Built drawings. Should the Government determine that variation exists between finished construction and the As-Built drawings, the Contractor shall correct drawings to the satisfaction of the government. Copies of all redlined pages shall be digitized and submitted on [2] USB and [1] set of full size drawings.

### 5.4.3. Specification Manual

Not applicable.

### 5.4.4. Product Data and Shop Drawing Manuals

The Contractor shall combine all product data submission material and shop drawings into hard copy manuals for reference during construction. Shop drawings shall be bound with product data or separately bound in drawing racks. The manuals shall be divided into sections corresponding to design specification section headings. The Contractor shall provide [2] copies containing all approved shop drawing submissions.

### 5.4.5. Design Calculation Manual

Not applicable.

### 5.4.6. Operation and Maintenance Manual

The Contractor shall prepare 1 hardcopy and 1 electronic copy detailed Operation and Maintenance Manuals, identifying all procedures, tools, equipment and parts necessary to assure satisfactory operations and to provide maintenance per manufacturer's recommendations, including the following:

- Instruction manuals covering the care, preservation and maintenance of materials and finishes
- Operation, maintenance, troubleshooting and parts manuals for equipment and building operating systems

### 5.4.7. Maintenance Training

Maintenance Training shall address cycles of replacement and use of any special tools, etc.. Include references to record documents, spare parts and material lists, warranties, maintenance agreements and similar continuing commitments.

### 5.4.8. Warranties

The Contractor is required to provide the government with 1 hardcopy and 1 electronic copy of original signed copies of all warranties. Warranty start date shall begin no earlier than the date of installation acceptance.

### 5.4.9. Attic Stock

NA

### 5.5. SCHEDULE OF VALUES

Submit completed Schedule of Values no later than [14] calendar days prior to the scheduled date of initial Requests for Payment. Schedule of Values must include the following:

- Work activity (by division or specific work activity)
- Dollar value of each specific work activity both with an amount in dollars and cents, and as a
  percentage of the Contract Sum to the nearest one-hundredth percent. Adjust the amounts to total
  to the Contract Sum and the percentages to total 100 percent.
- Line items for mobilization and demobilization
- Line item for close out (% to be negotiated with GSA COR)
- Total cost and proportionate share of general overhead and profit for each item. (i.e. no stand alone item for Overhead, and Profit)
- Temporary facilities and other major cost items that are not direct cost of actual work-in-place
  may be shown either as separate line items in the schedule of values or distributed as general
  overhead expense, at the government's option.
- Separate prices for preconstruction services (shops/submittals) and construction costs.

Each item in the Schedule of Values and Requests for Payment shall be complete.

### 5.5.1. Modifications

Update affected work branches and subordinate line items and resubmit the Schedule of Values before the next Request for Payment when Modifications result in a change in the Contract Sum.

### **5.5.2.** Options

Provide a separate Schedule of Values for each exercised Option.

### 5.6. FEE & PAYMENT

The construction shall be paid per the progress of construction according to Schedule of Values, submitted on a monthly interval.

Prior to final payment under this Work Order, the Contractor shall furnish the Government with a release of all claims against the Government under the applicable portions of this contract.

### 5.7. GOVERNMENT FURNISHED PROPERTY

There is no government furnished property for this contract.

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### Construction Services Statement of Work, v5

Expansion Joint Slab Edge Modifications, 4600 Silver Hill North and South Buildings, MD0778AG/MD1822AG

### 6. ATTACHMENTS

Expansion Joint - Slab edge Modifications - Sealed Drawing 11 06 20

March 10, 2021 27 of 27

# **CINNOVAS DEVELOPMENT GROUP**

ATAN Walter

Watter P Moore and Associates, Inc. 1747 Fennsylvania Av NW, Suite 1050 Westhington, DC 20006

202.481.7685

### SUITLAND FEDERAL CENTER **PARKING STRUCTURE**

SUITLAND, MD



CINNOVAS DEVELOPMENT GROUP



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# GENERAL STRUCTURAL NOTES

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## PART II - NON-DESTRUCTIVE EVALUATION

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### PART III - SURFACEPREP, FOR PATCHING

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## PART III - SURFACE PREP. FOR PATCHING

## PART IV - CONCRETE REPAIR MATERIALS

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- Planning: In using the specified products of this Section, fidure Manufacturer's specifications and written instructions in sharing
- ces receiving repair material shall be free of ধ্বী হাঁচাই, হিন্তাই, জার্ম্ম als. Preparation of cavity to receive new repair maserial shall be to Section "Surface Preparation for Patering" জ্বৰ্ম
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### PART IV - CONCRETE REPAIR MATERIALS

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  - placement thickness. Use epoxy paste for resurfacing concrete less that equal to 1/8° thickness.

    12. Finish surface of mortar to match the lexture and contours of existing
- nortar material to 65°F-80°F (18°C-26°C) unless other the manufacturer. Materials beyond this range of not be used.
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- up all portions of the existing structure that are solled or stained in the set concrete repair work. UALITY CONTROL.
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### PART V - EXPANSION JOINTS



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### GENERAL NOTES

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# GENERAL STRUCTURAL NOTES

### PART V - EXPANSION JOINTS PART V - EXPANSION JOINTS

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- facturer's Qualifications: Companies furnishing the materials have a proven track record of at least fee years. Furthermore shall have in oblishood as program of tranship, certifying, and corting a relationally organized program of pagored contractors.
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  Applicator shall be used on the plot.
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    - ices to receive Work and report immediately in writing to deficiencies in surface which render it unsuitablefor prog
      - - verify that related Work meets following requirement surfaces are finished as acceptable for system to be
- installed.

  b. Curing compounds used on concrete surfaces are compatible.

  Work to be installed.

  Concrete surfaces have completed proper curing period for syselected.
  - d. Joint Sealants are compatible with traffic toppings id etching. Prohibited.
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  2. Install and encluded expansion joint system in accordance with manufacturer's instructions.

  3. Areas adjacent to the joint must be masked with tape to assure clean joint proper.

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- F. CLEAN of Decease material and material smarts adjacent to joints as work progresses using methods and materials approved by manufacturers.

  C. PROTECTION with a material and materials approved by manufacturers.

  1. Protect the Expension Joint System unfangoorshuroin: Heavy construction whiches will not be permitted by cross the joint without specific and within permission by the Engineer. Subsequent damage to the expension lost system that the premission by the Engineer. Subsequent damage to the HELDO OALLITY COMMITTOR.

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PART VI - MISCELLANEOUS

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- The repair drawings represent the repaired structure, and, except where specifically brown, do not include the weether do means of construction. The Contractor shall supervise and direct the work and shall be solely responsible for all construction means, methods,
- procedure, lechriques and responso.

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  columns with, aft. b., stab thickness, and ther information

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  their construction shall be of the same channiers as shown or
  - specified in similar conditions.

    B. CONFLICTS IN STRUCTURAL REQUIREMENTS
- riflict exists among the various parts of the repair occurrents, repair drawings and general notes at requerements, as indicated by the Engineer, shall govern

- PART VI MISCELLANEOUS
- C. EXISTING CONDITIONS (CONT)

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  that the modified armendately and approved obtained prior to Vireigns.

Watter P Moore and Associates, Inc. 1747 Pennsylvania Av NW, Suite 1060 Washington, DC 20006

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SUITLAND FEDERAL CENTER PARKING STRUCTURE

CINNOVAS DEVELOPMENT GROUP

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SUITLAND FEDERAL CENTER PARKING STRUCTURE

CINNOVAS DEVELOPMENT GROUP



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ROOF PLAN -AREA A

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Project Name:

SUITLAND FEDERAL CENTER PARKING STRUCTURE

CINNOVAS DEVELOPMENT GROUP



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ROOF PLAN -AREA C

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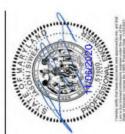
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SUITLAND FEDERAL CENTER PARKING STRUCTURE

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CINNOVAS DEVELOPMENT GROUP



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LEVEL 4 - AREA A

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Project Name:

SUITLAND FEDERAL CENTER PARKING STRUCTURE

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LEVEL 4 - AREA C

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SUITLAND FEDERAL CENTER PARKING STRUCTURE

CINNOVAS DEVELOPMENT GROUP Client

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LEVEL 3 - AREA A

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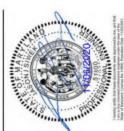
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SUITLAND FEDERAL CENTER PARKING STRUCTURE

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LEVEL 2 - AREA C





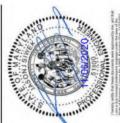
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SUITLAND FEDERAL CENTER PARKING STRUCTURE

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CINNOVAS DEVELOPMENT GROUP



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LEVEL 1 - AREA A





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SUITLAND FEDERAL CENTER PARKING STRUCTURE

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LEVEL 1 - AREA B





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CINNOVAS DEVELOPMENT GROUP



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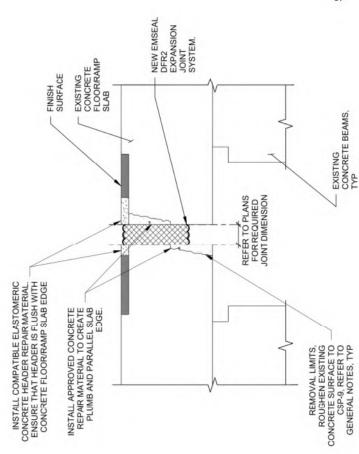
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LEVEL 1 - AREA C

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ENSURE BLOCKOUT DIMENSIONS MEET REQUIREMENT OF EXPANSION JOINT MANUFACTURER NOTES

CONTRACTOR SHALL, WITH MANUFACTURER, VERIFY FIELD INSTALLATION WIDTH BASED ON TEMPERATURE CONDITIONS.
NEW PATCH SHALL MATCH EXISTING FINISH.

TYP. REPAIR DETAIL AT EXPANSION JOINT 2

NO SCALE

CONCRETE FLOOR/RAMP SLAB EXISTING 4-1-1/8" MAX REFER TO PLANS FOR REQUIRED JOINT DIMENSION EXISTING CONCRETE BEAMS 1" MAX SURFACES IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN CONCRETE HEADER. REMOVE ALL DELAMINATED AREAS OF NOTES SECTION "SURFACE PREPARATION FOR PATCHING". CONCRETE AND HEADER MATERIAL AND PREPARE REQUIREMENTS AND GENERAL EXISTING ELASTOMERIC

CAUTION:

1. SLAB HAS EMBEDDED ELECTRICAL CONDUITS IN ADDITION TO PT TENDONS. COMPLETE CONDUIT SEASOLTING PRIOR TO REMOVAL OF THE CONDUIT FROM THE BLOCKOUT, SEE SMEET \$2.1 FOR CONDUIT REMOVAL AND REROUTE DETAILS.

NON-DESTRUCTIVE TESING METHODS PRIOR TO PERFORMING CONCRETE REMOVALS TO MON-PERFERENT ANY EMBEDDED MATERIALS DETECTED BY NON-DESTRUCTIVE TESING METHODS THAT CONFLICT WITH CONCRETE REMOVAL OPERATIONS TO THE ENGINEER FOR REVIEW. DO NOT DAMAGE POST-TENSIONING NOTES:
1. LOCATE ALL EMBEDDED ITEMS IN THE VACINITY OF THE EXPANSION JOINT BLOCKOUT USING
1. LOCATE ALL EMBEDDED ITEMS IN THE VACINITY OF THE EXPANSION JOINT BLOCKOUT USING

TENDONS/ANCHORS AND MILD REINFORCEMENT.
REFER TO GENERAL NOTES FOR CONCRETE SURFACE PREPARATION REQUIREMENTS AND PROCEDURES FOR CLEANING AND COATING ALL EXPOSED REINFORCEMENT. 8

SEVERELY CORRODED OR HAS LOST 15% OR MORE OF ITS CROSS SECTIONAL AREA, SUPPLEMENTARY REINFORCEMENT MAY BE REQUIRED. REPORT TO ENGINEER FOR REVIEW AND DESIGN OF SUPPLEMENTARY REINFORCEMENT.

REFER TO GENERAL NOTES FOR ACCEPTABLE REPAIR MATERIALS. PROVIDE 3/4" CLEARANCE AROUND ALL EXPOSED MILD REINFORCEMENT WHERE REQUIRED AS SPECIFIED IN GENERAL NOTES.
WHERE REINFORCEMENT THAT IS EXPOSED DURING SURFACE PREPARATION IS FOUND TO BE

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TYP. DEMO. DETAIL AT EXPANSION JOINT



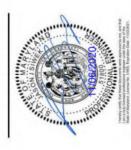
Weter Pluces and Associates, Inc. 1747 Partrayhants Av NW, Suite 1050 Westingon, DC 2006

202,451,7885

Project Name:

SUITLAND FEDERAL CENTER PARKING STRUCTURE

DEVELOPMENT CINNOVAS GROUP



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REPAIR DETAILS







CINNOVAS DEVELOPMENT GROUP

SUITLAND FEDERAL CENTER PARKING STRUCTURE

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Watter P Moore and Associates, Inc. 1747 Pennsylvania Av NW, Suite 1050 Washington, DC 20006

202.481,7685

- NOTES:
  1. EMBEDDED ELECTRICAL CONDUITS ARE PRESENT IN THE EXISTING CONCRETE SELAB. IN ADDITION TO PT TENDONS. VERIFY LOCATION PRIOR TO COMMENCEMENT OF WORK
  - ci
- COCREDIATE WITH OWNER TO LOCATE EXISTING CONDUIT TO BE REMOVED AND CUT FILSH WITH SLAB EDGE.
  COCREDIATE WITH OWNER TO REPOUTE ELECTRICAL CONDUIT TO UNDERSIDE OF CONCRETE BEAMS, AS PER EXISTING. ø3

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| Project Number: | D01.20007.00 |

REPAIR DETAILS

# EXIST. UNDERSIDE CONDUIT

NO SCALE

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EXIST. CONDUITS IN SLAB